



PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/717,237
Filing Date	November 19, 2003
First Named Inventor	J. B. Hester, Jr et al.
Art Unit	1752
Examiner Name	not available yet
Attorney Docket Number	00587.US1

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | A return-receipt postcard is enclosed. Search Report and References. |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Pharmacia & Upjohn Company, John H. Engelmann (28,075)
Signature	John H. Engelmann
Date	APRIL 9, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Julie K. Lyons
-----------------------	----------------

Signature

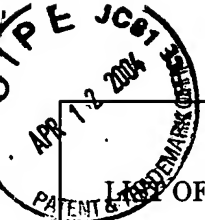
Julie K. Lyons

Date

Apr. 19, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



1st of 2 bundles

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. 00587.US1		Serial No. 10/717,237	
				Applicant Jackson B. Hester, Jr. and Christina R. Harris			
				Filing Date Nov. 19, 2003		1752	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	2002/0086900A1	July 4, 2002	Perrault et al.	514	478	
	AB	6,313,307 B1	Nov. 6, 2001	Ennis et al.	548	229	
	AC	6,271,383 B1	Aug. 7, 2001	Gravestock	546	209	
	AD	6,239,152 B1	May 29, 2001	Gordeev et al.	514	340	
	AE	6,194,441 B1	Feb. 27, 2001	Roberts et al.	514	340	
	AF	6,166,056	Dec. 26, 2000	Thomas et al.	514	376	
	AG	6,110,936	Aug. 29, 2000	Gravestock	514	315	
	AH	6,069,160	May 30, 2000	Stolle et al.	514	367	
	AI	6,069,145	May 30, 2000	Betts	514	252	
	AJ	6,051,716	Apr. 18, 2000	Hutchinson et al.	548	229	
	AK	6,043,266	Mar. 28, 2000	Ennis et al.	514	376	
	AL	5,981,528	Nov. 9, 1999	Gravestock	514	252	
	AM	5,968,962	Oct. 19, 1999	Thomas et al.	514	376	
	AN	5,952,324	Sept. 14, 1999	Barbachyn et al.	514	211	
	AO	5,869,659	Feb. 9, 1999	Stolle et al.	544	114	
	AP	5,861,413	Jan. 19, 1999	Habich et al.	514	312	
	AQ	5,843,967	Dec. 1, 1998	Riedl et al.	514	340	
	AR	5,827,857	Oct. 27, 1998	Riedl et al.	514	301	
	AS	5,792,765	Aug. 11, 1998	Riedl et al.	514	236.8	
	AT	5,698,574	Dec. 16, 1997	Riedl et al.	514	376	
	AU	5,688,792	Nov. 18, 1997	Barbachyn et al.	514	235.5	
	AV	5,684,023	Nov. 4, 1997	Riedl et al.	514	337	
	AW	5,652,238	July 29, 1997	Brickner et al.	514	235.8	
	AX	5,627,181	May 6, 1997	Riedl et al.	514	236.8	
	AY	5,565,571	Oct. 15, 1996	Barbahyn et al.	546	144	
	AZ	5,547,950	Aug. 20, 1996	Hutchinson et al.	514	252	
	BA	5,529,998	June 25, 1996	Habich et al.	514	233.8	
	BB	5,523,403	June 4, 1996	Barbachyn	544	137	
	BC	5,247,090	Sept. 21, 1993	Brickner	546	89	

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. 00587.US1		Serial No. 10/717,237	
				Applicant Jackson B. Hester, Jr. and Christina R. Harris			
				Filing Date Nov. 19, 2003		1752	
	BD	5,231,188	July 27, 1993	Brickner	548	221	
	BE	5,225,565	July. 6, 1993	Brickner	548	229	
	BF	5,182,403	Jan. 26, 1993	Brickner	548	231	
	BG	5,164,510	Nov. 17, 1992	Brickner	548	231	
	BH	5,043,443	Aug. 27, 1991	Carlson et al.	544	112	
	BI	4,705,799	Nov. 10, 1987	Gregory	514	376	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	BJ	WO 03/007870	Jan. 30, 2003	WIPO	A61K		
	BK	WO 01/81350	Nov. 1, 2001	WIPO	C07D	491/10	
	BL	WO 01/58885	Aug. 16, 2001	WIPO	C07D	263/22	
	BM	WO 01/44212 A1	June 21, 2001	WIPO	C07D	263/20	
	BN	WO 01/40236 A2	June 7, 2001	WIPO	C07F	9/09	
	BO	WO 01/40222 A1	June 7, 2001	WIPO	C07D	417/10	
	BP	WO 00/21960	April 20, 2000	WIPO	C07D	413/14	
	BQ	WO 99/40094	Aug. 12, 1999	WIPO	C07D	498/04	
	BR	WO 99/37652	July 29, 1999	WIPO	C07D	498/04	
	BS	WO 99/37641	July 29, 1999	WIPO	C07D	413/04	
	BT	WO 99/29688	June 17, 1999	WIPO	C07D	413/10	
	BU	WO 99/03846	Jan. 28, 1999	WIPO	C07D	263/24	
	BV	WO 98/54161	Dec. 3, 1998	WIPO	C07D	263/20	
	BW	WO 97/30995	Aug. 28, 1997	WIPO	C07D	413/10	
	BX	WO 97/30981 A1	Aug. 28, 1997	WIPO	C07D	263/20	
	BY	WO 97/21708 A1	June 19, 1997	WIPO	C07D	413/12	
	BZ	WO 97/19089 A1	May 29, 1997	WIPO	C07D	498/04	
	CA	WO 97/10223 A1	March 20, 1997	WIPO	C07D	263/20	
	CB	WO 97/10235 A1	March 20, 1997	WIPO	C07D	307/52	
	CC	WO 97/09328	March 13, 1997	WIPO	C07D	413/10	
	CD	WO 96/35691	Nov. 14, 1996	WIPO	C07D	487/04	
	CE	WO 96/23788	Aug. 8, 1996	WIPO	C07D	413/10	

LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				Atty. Docket No. 00587.US1		Serial No. 10/717,237		
				Applicant Jackson B. Hester, Jr. and Christina R. Harris				
				Filing Date Nov. 19, 2003		1752		
	CF	WO 96/15130	May 23, 1996	WIPO	C07D	491/048		
	CG	WO 96/13502	May 9, 1996	WIPO	C07D	413/10		
	CH	WO 95/25106	Sept. 21, 1995	WIPO	C07D	413/10		
	CI	WO 95/14684	June 1, 1995	WIPO	C07D	263/20		
	CJ	WO 95/07271	March 16, 1995	WIPO	C07D	263/20		
	CK	WO 94/01110	Jan. 20, 1994	WIPO	A61K	31/42		
	CL	EP 1130016 A1	Nov. 10, 1999	Europe	C07D	263/22		
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CM	M. Bianchi, et al., Eur. J. Med. Chem. (1988), 23, 45-52						
	CN	J. Org. Chem. 67(1), 24A (2002)						
	CO	R. E. Notari, "Theory and Practice of Prodrug Kinetics," Methods in Enzymology, 112:309-323 (1985)						
	CP	N. Bodor, "Novel Approaches in Prodrug Design," Drugs of the Future, 6(3):165-182, (1981)						
	CQ	H. Bundgaard, "Design of Prodrugs: Bioreversible-Derivatives for Various Functional Groups and Chemical Entities," in Design of Prodrugs (H. Bundgaard, ed.), Elsevier, N.Y. (1985)						
Examiner				Date Considered				